

PALM INTRANET

Day : Monday
 Date: 3/14/2005
 Time: 09:21:59

Inventor Name Search Result

Your Search was:

Last Name = GOLDING

First Name = ANDREW

Application#	Patent#	Status	Date Filed	Title	Inventor Name
08899004	5845306	150	07/23/1997	CONTEXT BASED SYSTEM FOR ACCESSING DICTIONARY ENTRIES	GOLDING, ANDREW R.
09506480	6323807	150	02/17/2000	INDOOR NAVIGATION WITH WEARABLE PASSIVE SENSORS	GOLDING, ANDREW R.
09587144	6640218	150	06/02/2000	ESTIMATING THE USEFULNESS OF AN ITEM IN A COLLECTION OF INFORMATION	GOLDING, ANDREW R.
09902422	Not Issued	030	07/10/2001	PREDICTING THE POPULARITY OF A TEXT-BASED OBJECT	GOLDING, ANDREW R.
09927015	Not Issued	071	08/09/2001	RETURNING DATABASES AS SEARCH RESULTS	GOLDING, ANDREW R.
10952482	Not Issued	020	09/29/2004	SYSTEMS AND METHODS FOR DETERMINING QUERY SIMILARITY BY QUERY DISTRIBUTION COMPARISON	GOLDING, ANDREW R.
08251897	5521816	150	06/01/1994	WORD INFLECTION CORRECTION SYSTEM	GOLDING, ANDREW R.
08251978	5477448	150	06/01/1994	SYSTEM FOR CORRECTING IMPROPER DETERMINERS	GOLDING, ANDREW R.
08252106	5537317	150	06/01/1994	SYSTEM FOR CORRECTING GRAMMAR BASED PARTS ON SPEECH PROBABILITY	GOLDING, ANDREW R.
08252180	Not Issued	166	06/01/1994	CONTEXT-BASED SYSTEM FOR ACCESSING DICTIONARY ENTRIES	GOLDING, ANDREW R.
08252181	5535121	150	06/01/1994	SYSTEM FOR CORRECTING AUXILIARY VERB SEQUENCES	GOLDING, ANDREW R.
08252237	Not Issued	161	06/01/1994	SYSTEM FOR DETECTING IMPROPER USAGE OF INDEFINITE ARTICLES	GOLDING, ANDREW R.
08252333	5485372	150	06/01/1994	SYSTEM FOR UNDERLYING SPELLING RECOVERY	GOLDING, ANDREW R.
08252572	Not Issued	166	06/01/1994	GRAMMAR CHECKING SYSTEM	GOLDING, ANDREW R.
08444409	5659771	150	05/19/1995	A SYSTEM FOR SPELLING CORRECTION IN WHICH THE CONTEXT OF A TARGET WORD IN A SENTENCE IS UTILIZED TO DETERMINE WHICH OF SEVERAL POSSIBLE WORDS WAS INTENDED	GOLDING, ANDREW R.
08558053	Not Issued	161	11/13/1995	GRAMMAR CHECKING SYSTEM	GOLDING, ANDREW R.
08579003	5933100	150	12/27/1995	AUTOMOBILE NAVIGATION SYSTEM WITH DYNAMIC TRAFFIC DATA	GOLDING, ANDREW R.
08650057	5799269	150	05/17/1996	SYSTEM FOR CORRECTING GRAMMAR BASED ON PARTS OF SPEECH PROBABILITY	GOLDING, ANDREW R.
08669928	5956739	150	06/25/1996	SYSTEM FOR TEXT CORRECTION ADAPTIVE TO THE TEXT BEING CORRECTED	GOLDING, ANDREW R.

08788389	Not Issued	161	01/27/1997	GRAMMAR CHECKING SYSTEM	GOLDING, ANDREW R.
09056036	6192332	150	04/06/1998	ADAPTIVE ELECTRONIC PHRASE BOOK	GOLDING, ANDREW R.
09174284	Not Issued	164	10/16/1998	SMOOTHING ALGORITHM FOR BAYESIAN CLASSIFIER	GOLDING, ANDREW R.
09553802	6701309	150	04/21/2000	METHOD AND SYSTEM FOR COLLECTING RELATED QUERIES	GOLDING, ANDREW ROBERT

Inventor Search Completed: No Records to Display.

Last Name	First Name
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Day : Monday
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Inventor Name Search Result

Your Search was:

Last Name = WITBROCK

First Name = MICHAEL

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09588837	Not Issued	161	06/07/2000	ANNOTATING DOCUMENTS WITH A MEASURE OF VALUE FOR HYPERLINKS	WITBROCK, MICHAEL
09567697	6581057	150	05/09/2000	METHOD AND APPARATUS FOR RAPIDLY PRODUCING DOCUMENT SUMMARIES AND DOCUMENT BROWSING AIDS	WITBROCK, MICHAEL J.
09642699	Not Issued	161	08/09/2000	OFFERING AND CLAIMING OF PRIZES ASSOCIATED WITH REQUESTS FOR CONTENT ON A COMPUTER NETWORK	WITBROCK, MICHAEL J.
09747333	Not Issued	020	12/22/2000	QUERY-PROCESSOR	WITBROCK, MICHAEL J.
09803540	Not Issued	071	03/09/2001	SERVING CONTENT TO A CLIENT	WITBROCK, MICHAEL J.
09902422	Not Issued	030	07/10/2001	PREDICTING THE POPULARITY OF A TEXT-BASED OBJECT	WITBROCK, MICHAEL J.
09982204	Not Issued	071	10/18/2001	SEARCH RESULTS USING EDITOR FEEDBACK	WITBROCK, MICHAEL J.
09351952	6317708	150	07/12/1999	METHOD FOR PRODUCING SUMMARIES OF TEXT DOCUMENT	WITBROCK, MICHAEL J.
60115016	Not Issued	159	01/07/1999	METHOD AND APPARATUS FOR PRODUCING SUMMARIES, HEADLINES OR SYNOPSISSES OF TEXTUAL DOCUMENTS BY AUTOMATICALLY CONSTRUCTING AND EMPLOYING STATISTICAL MODELS OF DOCUMENTS, THEIR SUMMARIES, AND THE RELATIONSHIP BETWEEN DOCUMENTS AND SUMMARIES	WITBROCK, MICHAEL J.
09553802	6701309	150	04/21/2000	METHOD AND SYSTEM FOR COLLECTING RELATED QUERIES	WITBROCK, MICHAEL JOHN

Inventor Search Completed: No Records to Display.

Last Name	First Name
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 PALM INTRANET

Day : Monday
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Inventor Name Search Result

Your Search was:

Last Name = DOROSARIO

First Name = ALDEN

Application#	Patent#	Status	Date Filed	Title	Inventor Name
09902421	Not Issued	041	07/10/2001	INFERRING RELATIONS BETWEEN INTERNET OBJECTS	DOROSARIO, ALDEN
09902422	Not Issued	030	07/10/2001	PREDICTING THE POPULARITY OF A TEXT-BASED OBJECT	DOROSARIO, ALDEN
10002470	Not Issued	041	10/23/2001	NETWORK WIDE AD TARGETING	DOROSARIO, ALDEN
10990754	Not Issued	019	11/17/2004	CONTEXT- AND BEHAVIOR-BASED TARGETING SYSTEM	DOROSARIO, ALDEN
60520630	Not Issued	159	11/17/2003	CONTEXT- AND BEHAVIOR-BASED TARGETING SYSTEM (CBET)	DOROSARIO, ALDEN

Inventor Search Completed: No Records to Display.

Last Name	First Name
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Improving rule-based systems through case-based reasoning

AR Golding, PS Rosenbloom - Cited by 51 - [Web Search](#)
 Google, Inc. Subscribe (Full Service), Register (Limited Service, Free),
 Login. Search: The ACM Digital Library The Guide. Feedback ...
 Proceedings of the Ninth National Conference on Artificial ..., 1991 - portal.acm.org

[PS] Applying winnow to context-sensitive spelling correction

AR Golding, D Roth - [View as HTML](#) - Cited by 50 - [Web Search](#)
 Page 1. Applying Winnow to Context-Sensitive Spelling Correction. Andrew R. Golding Mitsubishi Electric Research Labs 201 Broadway ...
 Proceedings of the Thirteenth International Conference on ..., 1996 - l2r.cs.uiuc.edu - adsabs.harvard.edu

Combining trigram-based and feature-based methods for context-sensitive spelling correction

AR Golding, Y Schabes - Cited by 41 - [Web Search](#)
 Page 1. Combining Trigram-based and Feature-based Methods for Context-Sensitive Spelling Correction. Andrew R. Golding and Yves Schabes ...
 Proceedings of the 34th Annual Meeting of the Association ..., 1996 - portal.acm.org - ifi.unizh.ch - merl.com - aclweb.org - all 13 versions »

A Bayesian hybrid method for context-sensitive spelling correction

AR Golding - [View as HTML](#) - Cited by 40 - [Web Search](#)
 Page 1. MERL A MITSUBISHI ELECTRIC RESEARCH LABORATORY http:www.merl.com. A Bayesian hybrid method for. context-sensitive spelling correction. Andrew R. Golding ...
 Proceedings of the Third Workshop on Very Large Corpora, 1995 - ifi.unizh.ch - merl.com - acl.eldoc.ub.rug.nl - ldc.upenn.edu - all 7 versions »

Pronouncing Names by a Combination of Rule-Based and Case-Based Reasoning

AR Golding - Cited by 21 - [Web Search](#)
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 Login. Search: The ACM Digital Library The Guide. ...
 Ph. D. diss., Stanford University, 1991 - portal.acm.org

Improving accuracy by combining rule-based and case-based reasoning

AR Golding, PS Rosenbloom - Cited by 14 - [Web Search](#)
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 Artificial Intelligence, 1996 - portal.acm.org - portal.acm.org

Demonstration of an Interactive Multimedia Environment

... , Y Schabes, WT Freeman, MC Torrance, **AR Golding**, ... - Cited by 11 - [Web Search](#)
 Page 1. I. Demonstration of an. Interactive Multimedia. Environment. Charles Rich, Richard C. Waters, Carol Strohecker, Yves Schabes, William ...
 IEEE Computer, 1994 - doi.ieeecs.org - ieeexplore.ieee.org - portal.acm.org - portal.acm.org

An animated on-line community with artificial agents

... , Y Schabes, WT Freeman, MC Torrance, **AR Golding**, ... - Cited by 7 - [Web Search](#)
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 Login. Search: The ACM Digital Library The Guide. ...
 IEEE MultiMedia, 1994 - portal.acm.org - portal.acm.org - ieeexplore.ieee.org

Cleveland Clinic rotodynamic pump

LAR Golding, WA Smith - Cited by 6 - [Web Search](#)
 Ann Thorac Surg. 1996 Jan;61(1):457-62. ...
 Ann Thorac Surg, 1996 - ncbi.nlm.nih.gov

[CITATION] A morphology component for language programs

AR Golding, HS Thompson - Cited by 5 - [Web Search](#)
 Linguistics, 1985

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Results 1 - 6 of 6 for author:"m witbrock" document. (0.21 seconds)

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Experiments in Spoken Document Retrieval at CMU

M Siegler, MJ Witbrock, ST Slattery, K Seymore, RE ... - [View as HTML](#) - Cited by 18 - [Web Search](#)

Page 1. Experiments in Spoken Document Retrieval at CMU. ... For each query, there was
only one **document** considered relevant for the purposes of this evaluation. ...

Proceedings of TREC, 1998 - [www-2.cs.cmu.edu](#) - [zero.inf.cs.cmu.edu](#) - [cs.cmu.edu](#) - [trec.nist.gov](#) - all 8 versions »

Speech recognition and information retrieval: Experiments in retrieving spoken documents

MJ Witbrock, AG Hauptmann - [View as HTML](#) - Cited by 6 - [Web Search](#)

... SEIDX uses many of the standard techniques developed for information retrieval systems:
term frequency inverse **document** frequency weighting, stop words ...

Proc. DARPA Speech Recognition Workshop'97, 1997 - [itl.nist.gov](#) - [zero.inf.cs.cmu.edu](#) - [itl.nist.gov](#)

Using words and phonetic strings for efficient information retrieval from imperfectly transcribed ...

MJ Witbrock, AG Hauptmann - [View as HTML](#) - Cited by 26 - [Web Search](#)

... For documents transcribed using speech recognition, a substantial number of retrieval
errors are due to query terms that occur in the spoken **document**, but are ...

Proceedings of the 2 ndACM International Conference on ..., 1997 - [zero.inf.cs.cmu.edu](#) - [cs.cmu.edu](#) - [www-2.cs.cmu.edu](#) -
[portal.acm.org](#) - all 5 versions »

Headline generation based on statistical translation

M Banko, V Mittal, M Witbrock - [View as HTML](#) - Cited by 11 - [Web Search](#)

... Abstract Extractive summarization techniques cannot generate **document** summaries
shorter than a single sentence, some- thing that is often required. ...

Proceedings of the 38th Annual Meeting of the Association ..., 2000 - [acl.eldoc.ub.rug.nl](#) - [cs.mu.oz.au](#) - [comp.mq.edu.au](#) -
[acl.ldc.upenn.edu](#) - all 5 versions »

Speech recognition for a digital video library

MJ Witbrock, AG Hauptmann - [View as HTML](#) - Cited by 15 - [Web Search](#)

... through a linear combination of the TFIDF (Term Frequency by Inverse **Document**
Frequency) score nal, a 60,000-word vocabulary is used. ...

Journal of the American Society for Information Science (..., 1998 - [doi.wiley.com](#) - [doi.wiley.com](#) - [portal.acm.org](#)

Improving acoustic models by watching television

MJ Witbrock, AG Hauptmann - [View as HTML](#) - Cited by 8 - [Web Search](#)

... The views and conclusions contained in this **document** are those of the authors and
do not necessarily reflect the views of any of the sponsors. Page 2. ...

Personal communications, February, 1997 - [zero.inf.cs.cmu.edu](#) - [reports-archive.adm.cs.cmu.edu](#) - [www-2.cs.cmu.edu](#) - [cs.cmu.edu](#) -
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[CITATION] Learning to tell two spirals apart

KJ Lang, MJ Witbrock - [Cited by 124](#) - [Web Search](#)

Proceedings of the 1988 Connectionist Models Summer School, 1988

[Informedia: News-on-Demand Multimedia Information Acquisition and Retrieval](#)

AG Hauptmann, MJ Witbrock, M Maybury - [Cited by 79](#) - [Web Search](#)

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Intelligent Multimedia Information Retrieval, 1997 - portal.acm.org - [portal.acm.org](#)

[Using words and phonetic strings for efficient information retrieval from imperfectly transcribed ...](#)

MJ Witbrock, AG Hauptmann - [View as HTML](#) - [Cited by 26](#) - [Web Search](#)

Page 1. Using Words and Phonetic Strings for Efficient Information Retrieval.

from Imperfectly Transcribed Spoken Documents. Michael ...

Proceedings of the 2 ndACM International Conference on ..., 1997 - zero.inf.cs.cmu.edu - [cs.cmu.edu](#) - [www-2.cs.cmu.edu](#) - [portal.acm.org](#) - all 5 versions »

[CITATION] An implementation of backpropagation learning on GF11, a large SIMD parallel computer

M Witbrock, M Zagha - [Cited by 20](#) - [Web Search](#)

Parallel Computing, 1990

[CITATION] Informedia: news-on-demand multimedia information acquisition and retrieval, Intelligent multimedia ...

AG Hauptmann, MJ Witbrock - [Cited by 19](#) - [Web Search](#)

Maybury, ed, 1997

[Experiments in Spoken Document Retrieval at CMU](#)

M Siegler, MJ Witbrock, ST Slattery, K Seymore, RE ... - [View as HTML](#) - [Cited by 18](#) - [Web Search](#)

Page 1. Experiments in Spoken Document Retrieval at CMU. MA Siegler, MJ

Witbrock*, ST Slattery K. Seymore, RE Jones, and AG Hauptmann ...

Proceedings of TREC, 1998 - [www-2.cs.cmu.edu](#) - [zero.inf.cs.cmu.edu](#) - [cs.cmu.edu](#) - [trec.nist.gov](#) - all 8 versions »

[CITATION] News-on-Demand: An Application of Informedia Technology

AG Hauptmann, MJ Witbrock, MG Christel - [Cited by 16](#) - [Web Search](#)

D-LIB Magazine, September, 1995

[Speech recognition for a digital video library](#)

MJ Witbrock, AG Hauptmann - [Cited by 15](#) - [Web Search](#)

Page 1. Speech Recognition for a Digital Video Library. Michael J. Witbrock*

and Alexander G. Hauptmann Artificial Intelligence Research ...

Journal of the American Society for Information Science (..., 1998 - doi.wiley.com - [doi.wiley.com](#) - [portal.acm.org](#)

[Speech for Multimedia Information Retrieval](#)

AG Hauptmann, MJ Witbrock, AI Rudnicky, S Reed - [Cited by 14](#) - [Web Search](#)

Page 1. Speech for Multimedia Information Retrieval. Alexander G. Hauptmann,

Michael J. Witbrock, Alexander I. Rudnicky and Stephen ...

UIST-95 Proceedings of User Interface Software and ..., 1995 - [portal.acm.org](#) - [zero.inf.cs.cmu.edu](#) - [cs.cmu.edu](#) - [www-2.cs.cmu.edu](#) - all 6 versions »

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Page 1. Headline Generation Based on Statistical Translation. Michele Banko

Computer Science Department Johns Hopkins University Baltimore ...

Proceedings of the 38th Annual Meeting of the Association ..., 2000 - acl.eldoc.ub.rug.nl - [cs.mu.oz.au](#) - [comp.mq.edu.au](#) - [acl.ldc.upenn.edu](#) - all 5 versions »

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[CITATION] IY, "Chloroquine resistance not linked to mdr-like gene in a *Plasmodium falciparum* cross ... , LJ Panton, IY Gluzman, VE doRosario, RW Gwadz, A ... - [Cited by 3](#) - [Web Search](#)
Nature (London), 1990

[Spontaneous regression of small cell carcinoma of lung associated with severe neuropathy](#)
... , ML Friedland, EB Cooper, A DoRosario, RM Burd, J ... - [Cited by 2](#) - [Web Search](#)
Cancer Invest. 1993;11(3):306-9 ...
Cancer Invest, 1993 - ncbi.nlm.nih.gov

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Relevance scale

1 Satellite communications systems move into the twenty-first century

Leonard S. Golding

February 1998 **Wireless Networks**, Volume 4 Issue 2

Full text available: [pdf\(183.57 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#), [review](#)

This paper discusses the evolution of communication satellite systems and communications satellite technology from the 1960's to the 1990's. The paper identifies the key attributes of satellite communications that has driven this evolution and now drives the future directions such systems will take. The paper then discusses the future direction of communication satellite systems including DBS, MSS, FSS and hybrid satellite/terrestrial systems. The paper points to the continued evolution of ...

2 Combining Trigram-based and feature-based methods for context-sensitive spelling correction

Andrew R. Golding, Yves Schabes

June 1996 **Proceedings of the 34th conference on Association for Computational Linguistics**

Full text available: [pdf\(748.41 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)
[Publisher Site](#)

This paper addresses the problem of correcting spelling errors that result in valid, though unintended words (such as *peace* and *piece*, or *quiet* and *quite*) and also the problem of correcting particular word usage errors (such as *amount* and *number*, or *among* and *between*). Such corrections require contextual information and are not handled by conventional spelling programs such as Unix *spell*. First, we introduce a method called *Trigra* ...

3 Virtual memory implementation: Strategies for structuring two level memories in a paging environment

Albin L. Vareha, Ronald M. Rutledge, Michael M. Gold

October 1969 **Proceedings of the second symposium on Operating systems principles**

Full text available: [pdf\(548.51 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The strategies for effective structuring of data and program code in a two level, directly addressable paged memory system are presented along with the experience gained from deriving and implementing appropriate algorithms in one time-shared system. The experience indicated that a reduction in the paging rate can result through the addition of a slower second-level bulk memory thus leading to improved performance. While improved techniques for structuring these memories coupled with faster and ...

4 New vistas in modeling agricultural systems

Gail S. Hines, Daniel V. Goulet, R. E. Stinner, Walter Rudd, Donn G. DeCoursey, Harvey J. Gold

January 1980 **Proceedings of the 12th conference on Winter simulation**

Additional Information: [full citation](#), [abstract](#), [index terms](#)

Timber Harvesting & Computer Simulation Modeling - Daniel V. Goulet With the growth in mechanized timber harvesting operations came the question of how best to use men and machines in a complex interactive environment to produce a timely flow of wood to the mill at a reasonable cost. The failure of analytical techniques, i.e., linear programming, queueing theory, etc., to answer this question has led to a great interest and investment in computer simulation to address the pro ...

5 Dynamic selection of a performance-effective transmission sequence for token-passing networks with mobile nodes

Yaron I. Gold, Shlomo Moran

October 1983 **ACM SIGCOMM Computer Communication Review, Proceedings of the eighth symposium on Data communications**, Volume 13 Issue 4

Full text available: [pdf\(267.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We describe a distributed method for keeping down "token-passing" overhead in a mobile multi-access network, by performing local corrections in the token-passing sequence as they become necessary due to changes in node spatial configuration. These corrections involve only a subset of the nodes in the network, thus reducing the required computational effort. The method consists of three distributed protocols. The first is for detecting deterioration and identifying a subset of no ...

6 Time-sharing and batch-processing: an experimental comparison of their values in a problem-solving situation

Michael M. Gold

May 1969 **Communications of the ACM**, Volume 12 Issue 5

Full text available: [pdf\(1.51 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

An experimental comparison of problem-solving using time-sharing and batch-processing computer systems conducted at MIT is described in this paper. This study is the first known attempt to evaluate two such systems for what may well be the predominant user population within the next decade—the professionals who, as nonprogrammers, are using the computer as an aid in decision-making and problem-solving rather than as a programming end in itself. Statistically and logically s ...

Keywords: cost effectiveness, decision making performance, man/machine communications, man/machine symbiosis, on-line vs. off-line performance, problem-solving, programming experimental empirical studies, research in man/machine communications, time-sharing vs. batch-processing, user performance, user/programming behavior

7 Software: recommendations for an export control policy

Charles L. Gold, Seymour E. Goodman, Benjamin G. Walker

April 1980 **Communications of the ACM**, Volume 23 Issue 4

Full text available: [pdf\(967.04 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

The control of computer technology exports, for both hardware and software, is being actively debated in government and industry circles. At the request of the U.S. Department of Defense, the Computer Network Critical Technology Expert Group (CNCTEG) was established with the support of the Electronics Industries Association and the Computer Business Equipment Manufacturers Association. The task of the CNCTEG was to assess critical technologies associated with computer networks, and to make ...

Keywords: critical technologies, export controls, military applications of computers, software, technology transfer

8 CGaAs PowerPC FXU

Alan J. Drake, Todd D. Basso, Spencer M. Gold, Keith L. Kraver, Phiroze N. Parakh, Claude R. Gauthier, P. Sean Stetson, Richard B. Brown

June 2000 **Proceedings of the 37th conference on Design automation**

Full text available: [pdf\(156.50 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The development of a PowerPC™ fixed-point execution unit (FXU) in a resource limited, radiation-hard technology is described. Detailed architectural studies led to a design which maximizes performance in a small transistor count implementation. Manufactured in Motorola's 0.5-μm Complementary Gallium Arsenide process, the device operates from 0.9 to 1.9 V with a nominal frequency of 25 MHz at 1.3 V, dissipating 274 mW.

Keywords: Gallium Arsenide, design methodology, microprocessors, testing methodology

9 Simulating weed scouting and weed control decision making to evaluate scouting plans

Lori J. Wiles, Gail G. Wilkerson, Harvey J. Gold

December 1992 **Proceedings of the 24th conference on Winter simulation**

Full text available: [pdf\(533.20 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

10 Incremental reduction with nested constraints

E Mark Gold

January 1991 **ACM SIGPLAN Notices**, Volume 26 Issue 2

Full text available: [pdf\(673.78 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

11 This is not a pipe

Rich Gold

July 1993 **Communications of the ACM**, Volume 36 Issue 7

Full text available: [pdf\(672.73 KB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#), [review](#)

12 Back to the real world

Pierre Wellner, Wendy Mackay, Rich Gold

July 1993 **Communications of the ACM**, Volume 36 Issue 7Full text available: [pdf\(885.10 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#), [review](#)**13 Late-breaking results: new metaphors for user interfaces: The SIT book: audio as affective imagery for interactive storybooks**

Maribeth Back, Rich Gold, Dana Kirsch

May 1999 **CHI '99 extended abstracts on Human factors in computing systems**Full text available: [pdf\(197.84 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We describe a working prototype built as part of our continuing research focus on new document genres and the crossmodal affordances of interactive audio. Our experimental SIT (Sound-Image-Text) Book is a personal interactive reading experience that combines the look and feel of a real book -- a beautiful cover, paper pages and printed images and text -- with the rich, evocative quality of a movie soundtrack. The soundtrack is multi-track and includes music and sound effects. The SIT Book uses e ...

Keywords: affect, audio books, electronic books, interactive audio, interactive books, peripheral audio, reading, sound design

**14 Towards a self-adapting centralized concurrency control algorithm**

Haran Boral, Israel Gold

June 1984 **ACM SIGMOD Record , Proceedings of the 1984 ACM SIGMOD international conference on Management of data**, Volume 14 Issue 2Full text available: [pdf\(1.10 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

We introduce the notion of self-adapting concurrency control algorithms --- concurrency control algorithms that consist of several rw and several ww synchronization techniques, and employ combinations of the techniques in a manner that attains a performance objective. We Consider synchronization techniques that use locking and certification. A general proof method for such algorithms is outlined and applied.

**15 Automated contour mapping using triangular element data structures and an interpolant over each irregular triangular domain**

C. M. Gold, T. D. Charters, J. Ramsden

July 1977 **ACM SIGGRAPH Computer Graphics , Proceedings of the 4th annual conference on Computer graphics and interactive techniques**, Volume 11 Issue 2Full text available: [pdf\(137.10 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Surface display techniques, including contour mapping, usually use an interpolant when data values are on a rectangular grid; but when values are irregularly located some form of assumed or estimated distance-weighting function is often used to estimate the "influence" of data points at other locations. If moving average (or some other) techniques are then applied, slopes may be zero at data points; extrema may fall at data points exclusively; or surfaces may not pass through data points. An alte ...

Keywords: cartography, contour mapping, finite elements, graphical data structures, homogeneous coordinates, interpolation, partitioning, points, random data, surface display, triangular elements, triangular mesh

**16 Design: the what of XFR: eXperiments in the future of reading**

Steve Harrison, Scott Minneman, Maribeth Back, Anne Balsamo, Mark Chow, Rich Gold, Matt Gorbet, Dale Mac Donald

May 2001 **interactions**, Volume 8 Issue 3Full text available: [pdf\(565.86 KB\)](#) [html\(57.86 KB\)](#) Additional Information: [full citation](#), [index terms](#)**17 Introducing students to computer science literature - an approach**

Hellmut Golde

June 1971 **ACM SIGCSE Bulletin**, Volume 3 Issue 2Full text available: [pdf\(943.69 KB\)](#) Additional Information: [full citation](#), [index terms](#)

18 Why a separate computer facility for computer science education? Experiences at the UW computer sciences teaching laboratory

Hellmut Golde, Alan Shaw

June 1976 **ACM SIGCSE Bulletin**, Volume 8 Issue 2Full text available: [pdf\(547.14 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

The University of Washington has supported a dedicated computer facility for its graduate program in Computer Science since 1969; this facility is separated from the central University Computer Center. We have accumulated a reasonable amount of experience in using this laboratory for research and teaching. It is the purpose of this paper to describe our activities and experiences, and how they have affected our graduate program. Our main conclusion is that the separate facility is a tremen ...

19 A model for masking rotational latency by dynamic disk allocation

D. E. Gold, D. J. Kuck

May 1974 **Communications of the ACM**, Volume 17 Issue 5Full text available: [pdf\(1.08 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents the background and algorithms for masking the rotational latency of a disk or drum. It discusses the anticipatory input and output of blocks of data to buffer and primary memories for a mono-programmed computer system. A basic permutation algorithm and several variations are given. Because of the anticipatory nature of the I/O scheduling, these algorithms are restricted to classes of programs with predictable behavior. While the methods are not restricted to numerical co ...

Keywords: buffer memory, memory hierarchy, permutation algorithm, rotational latency, staging, storage allocation

20 Listen reader: an electronically augmented paper-based book

Maribeth Back, Jonathan Cohen, Rich Gold, Steve Harrison, Scott Minneman

March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**Full text available: [pdf\(258.93 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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